

Claims

1. A device having a centering element (10) and at least one form-locking
5 element (12) for fastening an axially mountable tool (14) to a drive shaft (16),
which is drivable in an oscillating manner, of a hand-held power tool (28) in which
the centering element (10) is provided for centering the tool (14) relative to the
drive shaft (16), and the form- locking element (12) is provided for defining a rotary
10 position of the tool (14) relative to the drive shaft (16), characterized in that the
form-locking element (12) is located radially outside the centering element (10).

2. The device as recited in claim 1, characterized in that the centering element
(10) has a circular cross section.

15 3. The device as recited in one of the foregoing claims, characterized in that
the form-locking element (12) is intended for engagement in a recess (12').

4. The device as recited in one of the foregoing claims, characterized in that
the form-locking element (12) is intended for fastening the tool (14) in at least
20 three rotary positions.

5. The device as recited in claim 4, characterized in that the form-locking
element (12) is intended for fastening the tool (14) in at least four rotary positions.

25 6. The device as recited in claim 5, characterized in that the form-locking
element (12) is intended for fastening the tool (14) in at least twelve rotary
positions.

7. The device as recited in one of claims 4 through 6, characterized in that the
30 rotary positions are distributed uniformly over an angular range.

8. The device as recited in claim 7, characterized in that the angular range
amounts to 360°.

9. The device as recited in one of the foregoing claims, characterized in that a radius (18) associated with one position of the form-locking element (12) is more than twice as large as a radius (20) of the centering element (10).

5 10. The device as recited in one of the foregoing claims, characterized in that the form-locking element (12) is embodied in pinlike form.

10 11. The device as recited in one of the foregoing claims, characterized by a plurality of identically shaped form-locking elements (12), distributed uniformly over a circle around the centering element (10).

15 12. The device as recited in one of the foregoing claims, characterized in that the form-locking element (12) has at least one slaving face (22), oriented substantially in the circumferential direction.

15 13. The device as recited in claim 12, characterized in that the slaving face (22) is flat.

20 14. The device as recited in one of the foregoing claims, characterized in that the form-locking element (12) has at least one chamfer (46) for reinforcing a slip-on operation.

25 15. The device as recited in one of the foregoing claims, characterized by a spring element (24) for generating a clamping force on the tool (14).

25 16. The device as recited in claim 15, characterized in that a blocking force of the spring element (24) is associated with a rated torque of a fastening screw (42).

30 17. The device as recited in one of the foregoing claims, characterized in that the diameter of the centering element (10) amounts to between 4 and 8 mm.

18. A tool (14), having a centering element (10) and a form-locking element (12') for axial mounting and fastening onto a drive shaft (16), drivable in oscillating fashion, of a hand-held power tool (28), in which the centering element (10) is

intended for centering relative to the drive shaft (16) and the form-locking element (12') is intended for defining a rotary position relative to the drive shaft (16), characterized in that the form-locking element (12') is located radially outside the centering element (10).

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19. The tool (14) as recited in claim 18, characterized in that at least one corresponding form-locking element (12) of the drive shaft (16) is associated with the form-locking element (12').

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20. The tool (14) at least as recited in claim 18, characterized in that the form-locking element (12') is embodied as a recess.